(17)

BRUHAT BANGALORE MAHANAGARA PALIKE

Asst.Executive Engineer,
Shettyhalli Sub Division,

Name of Work:- Maintenance of Borewell And Providing Mtors In Ward No.13 Shettyhalli Sub Division

Est Cost:20.00 Lakhs

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ

ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ ದಾಸರಹಳ್ಳಿ ವಲಯ, ರವೀಂದ್ರನಗರ, ಸರ್ಕಾರಿ ಪ್ರಾಥಮಿಕ ಶಾಲೆಯ ಹತ್ತಿರ

~~~~ ಅಂದಾಜು ಪಟ್ಟಿಯೊಂದಿಗಿನ ವರದಿ ~~~~

ಕಾಮಗಾರಿಯ ಹೆಸರು: - Maintenance of Borewell and providing Motor in ward no.13 Shettyhalli Sub division.

ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ : - 2019-20 ನೇ ಸಾಲಿನ ಪಿ.ಒ.ಡ್ಲೂ. ಹಣಕಾಸು, ಪಿ ಕೋಡ್–1771 Zone works

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ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ ವಾರ್ಡ್ ನಂ.13ರ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ 2019-20ನೇ ಸಾಲಿನ ಪಾಲಿಕೆ ಅಯವ್ಯಯದ ಪಿ ಕೋಡ್-1771 ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಅಡಿಯಲ್ಲಿ ಮೇಲಿನ ಕಾಮಗಾರಿಯ ಜಾಬ್‌ಕೋಡ್ ಸಂಖ್ಯೆ: 013-20-000127ರಲ್ಲಿ ರೂ.20.00 ಲಕ್ಷಗಳಿಗೆ ಅನುಮೋದನೆಗೊಂಡಿರುತ್ತದೆ.

ಜಿ.ಜಿ.ಎಂ.ಪಿ ವ್ಯಾಪ್ತಿಯ ವಾರ್ಡ್ ನಂ-13ರಲ್ಲಿ ಮಲ್ಲಸಂದ್ರ ಕಾಲೋನಿ, ಜಿ.ಹೆಚ್.ಐ.ಎಲ್ ಮಿನಿ ಕಾಲೋನಿ, ಕಲ್ಯಾಣ ನಗರ, ಪ್ರಶಾಂತ ನಗರ, ಸಂತೋಷ ನಗರ, ರವೀಂದ್ರ ನಗರ ಪ್ರದೇಶಗಳಲ್ಲಿ ಹಾಗೂ ವಾರ್ಡಿನ ಸುತ್ತಮುತ್ತ ಪ್ರದೇಶಗಳಲ್ಲಿ ಈ ಹಿಂದೆ ಕೊರೆದ ಅನೇಕ ಬೋರ್‌ವೆಲ್‌ಗಳಲ್ಲಿ ಪಂಪು-ಮೋಟರ್ ಹಾಗು ಬೋರ್‌ವೆಲ್‌ಗೆ ಸಂಬಂಧಪಟ್ಟಂತ ಬಿಡಿ ಭಾಗಗಳು ಹಾಳಾಗಿರುತ್ತವೆ. ಹಾಗೂ ಪೈಪ್-ಲೈನ್ ವೆವಸ್ಥೆ ಸರಿಪಡಿಸಲು ಮತ್ತು ವಾರ್ಷಿಕವಾಗಿ ನಿರ್ವಹಣೆ ಮಾಡಲು ಅನುದಾನ ಅವಶ್ಯಕವಾಗಿರುತ್ತದೆ. ಆದ್ದರಿಂದ ಬೋರ್‌ವೆಲ್ ನಿರ್ವಹಣೆ ಮಾಡಲು 2019-20ನೇ ಸಾಲಿನ ಜಿಜಿಎಂಪಿ ಆಯವ್ಯಯದಲ್ಲಿ ಪಿ-1771ರಲ್ಲಿ ವಲಯ ಕಾಮಗಾರಿ 40% (ವಾರ್ಡ್‌ವಾರು ನಿರ್ವಹಣೆ ಹಳೆ ವಾರ್ಡ್‌ಗೆ ರೂ.80.00 ಲಕ್ಷಗಳು ಹೊಸ ವಾರ್ಡ್‌ಗೆ ರೂ.1.20ಕೋಟಿ) ಗಳಲ್ಲಿ ರೂ.120.00 ಲಕ್ಷಗಳಲ್ಲಿ ರೂ.20.00 ಲಕ್ಷಗಳ ಅನುದಾನವನ್ನು ಮೀಸಲಿಸಲಾಗಿರುತ್ತದೆ.

ಸದರಿ ಅನುದಾನಕ್ಕೆ 2018-19ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆಯ ದರಪಟ್ಟಿ ಮತ್ತು ಮಾರುಕಟ್ಟೆ ದರಗಳ ಅನುಸಾರ ಈ ಕೆಳಕಂಡ ಅಂಶಗಳೊಂದಿಗೆ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ.20.00ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಲಾಗಿದೆ.

1. Supply of ISI mark 175mm nominal bore,plain and steel casing pipe
2. Providing and laying at site of work175mm thick MS casing caps
3. Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable
4. Supplying and drawing 3 core PVC Sheathed submersible pump cable
5. Supply and delivery at site wrought middle steel (galvanized) 50 mm dia
6. Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm
7. Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting
8. Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards
9. Etc.....

ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ಮತ್ತು ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ಸಂಖ್ಯೆ. 13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿಜಿಎಂಪಿ, ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪ – ವಿಭಾಗ

RUHATH BENGALORE MAHANAGARA PALIKE DASARAHALLI ZONE

of Work :Maintenance of Borewell And Providing Motors In Ward No.13 Shettyhalli Sub on

Est Cost Rs :20.00 Lakhs

	Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
	For Borewell								
	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes. All shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.(exclusive of all taxes and duties).prices include Collar-Medium duty. 175mm dia x 5.4mm thick **(Page no.214,item no.15.85 ,RWS SR-Banagalore Circle-2019-2020)**								
		Rmt	4	50.00			**200.00**	**1364.75**	**272950.00**
	Basic Rate	1325.00							
	Area Weightage 3%	39.75							
	Total	**1364.75**							
	Providing and fixing 250mm dia PVC pipe and as per specification and directions. **(BWSSB SR 13-14, P.No.53 I.no.1 of sl.no.11.)**								
		Rmt	4	6			**24.00**	**1100.00**	**26400.00**
	Basic Rate	**1100.00**							
3	**Providing and laying at site of work175mm thick MS casing caps** as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge **(Page no.214,item no.15.87 ,RWS SR-Banagalore Circle-2019-2020)**								
		Each	4				**4.00**	**103.00**	**412.00**
	Basic Rate	100.00							
	Area Weightage 3%	3.00							
	Total	**103.00**							
4	**Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable** for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings **15HP/11KW 35stage (P.NO-XLII, I.NO-41, PWD SR-2018-19)**								
		Nos	3				**3.00**	**71787.44**	**215362.32**
	Basic Rate	67724.00							
	Area Weightage 6%	4063.44							
	Total	**71787.44**							
5	**Providing, laying & jointing GI pipes** confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe **(PWD SR-2018-19, P.No.92 I.no. 13.6)**								
		Rmtr	4	300.00			**1200.00**	**542.72**	**651264.00**
	Basic Rate	512.00							
	Area Weightage 6%	30.72							
	Total	**542.72**							
6	supply of 50mm M.S collars **(PWD SR-2018-19, P.No.XLVII Sl.no.2)**								

	Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
		Each	4	50.00			200.00	190.80	38160.00
	Basic Rate	180.00							
	Area Weightage 6%	10.80							
	Total	190.80							
	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia **(P.NO-07, I.NO-2.6.3, PWD Electrical SR 19-20,Bangalore circle)**								
		mtr	6	355.00			2130.00	144.20	307146.00
	Basic Rate	140.00							
	Area Weightage 3%	4.20							
	Total	144.20							
8	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)								
		Nos	4				4.00	14800.00	59200.00
	Basic Rate	14800.00							
9	**Fabricating supplying and mounting MS box** of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm **(P.NO-30, I.NO-5.42.1, PWD SR Electrical,Bangalore circle)**								
	for 1 borewell		4	1100.00	20.00		88000.00		
		Sqm Cm					88000.00	0.35	30800.00
	Basic Rate	0.35							
10	**Providing & Fixing of clamps set and borewell cap** to the pump (MR) **(P.NO-XLVII, SI.NO-17, PWD SR-2018-19)**								
		Set	4				4.00	1908.00	7632.00
	Basic Rate	1800.00							
	Area Weightage 6%	108.00							
	Total	1908.00							
11	**Supply and delivery at site of brand new best make non-return valve** as per IS 778/1984 with ISI Mark and as per its latest amendments,**Size- 50mm . (Page no.104,item no.12.06 (a) ,RWS SR-Banagalore Circle-2019-2020)**								
		No's	4				4.00	1175.00	4700.00
	Basic Rate	1175.00							
12	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments,**Size- 50mm (Page no.104,item no.12.05 (a) ,RWS SR-Banagalore Circle-2019-2020)**								
		No's	4				4.00	1190.00	4760.00
	Basic Rate	1190.00							
13	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI bend confirming to IS 1239-II, 1991 with latest amendments if any. **(Page no.212,item no.15.74.5 ,RWS SR-Banagalore Circle-2019-2020)**								
		No's	4				4.00	235.00	940.00
	Basic Rate	235.00							

	Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any. **(Page no.212,item no.15.78.5 ,RWS SR-Banagalore Circle-2019-2020)**								
		No's	4				4.00	175.00	700.00
	Basic Rate	175.00							
	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any.**(Page no.211,item no.15.73.5 ,RWS SR-Banagalore Circle-2019-2020)**								
		No's	4				4.00	175.00	700.00
	Basic Rate	175.00							
	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work. **(Page no.105,item no.12.16 ,RWS SR-Banagalore Circle-2019-2020)**								
		Job	4				4.00	5819.50	23278.00
	Basic Rate	5650.00							
	Area Weightage 3%	169.50							
	Total	5819.50							
17	Labour charges for erection of indoor type panel board and meter board units with all necessary materials and labour tools and equipments including cement concrete for foundation/bed etc,complete as per specification, with testing of as per instructions of engineer incharge of work. **(Page no.105,item no.12.17 ,RWS SR-Banagalore Circle-2019-2020)**								
		No's	4				4.00	1160.81	4643.24
	Basic Rate	1127.00							
	Area Weightage 3%	33.81							
	Total	1160.81							
18	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898, 40 Amps DP **(P.NO -27, I.NO - 5.17.5, ,PWD Electrical SR 19-20,Bangalore circle)**								
		Each	4				4.00	1336.00	5344.00
	Basic Rate	1336.00							
19	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) **(P.NO - 40, I.NO - 6.4.4,PWD Electrical SR 19-20,Bangalore circle)**								
		Mtr	4	35.00			140.00	150.00	21000.00
	Basic Rate	150.00							
20	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (As per Civil SR KSRB I-2,P-7)**(P.NO -41, I.NO -6.6.1,,PWD Electrical SR 19-20,Bangalore circle)**								
		Mtr	4	35.00			140.00	76.00	10640.00
	Basic Rate	76.00							
21	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm **(P.NO -41, I.NO -6.9.1, PWD Electrical SR 19-20,Bangalore circle)**								
		Mtr	4	3.00			12.00	335.00	4020.00
	Basic Rate	335.00							
22	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. **(Page no.40,item no.6.1,PWD Electrical SR-Banagalore Circle-2019-2020)**								

Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
	Job	4				4.00	2999.70	11998.80
Basic Rate	2999.70							
Providing,Supplying and fixing LT cast iron potheads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. **3½x6 Sqm (Page no.106,item no.12.22 ,RWS SR-Banagalore Circle-2019-2020)**								
	No's	4				4.00	511.91	2047.64
Basic Rate	497.00							
Area Weightage 3%	14.91							
Total	**511.91**							
Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834, 3phase 400/440 volts grade,for power Factor improvement of roating machinery like indution motor **(P.NO -29, I.NO -5.37, PWD Electrical SR 19-20,Bangalore circle)**								
	KVAR	4				4.00	412.00	1648.00
Basic Rate	400.00							
Area Weightage 3%	12.00							
Total	**412.00**							
Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., **Size 20 x 20 x 2.5 inches (P.NO - 24, I.NO -5.6.6, PWD Electrical SR 19-20,Bangalore circle)**								
	Each	4				4.00	292.00	1168.00
Basic Rate	292.00							
							Total construction cost	1706914.00
							GST Charges 12%	204829.68
							Tender Premium 5%	85345.70
							Sub Total	1997089.38
							Miscellaneous and other unforseen charges	2910.62
							Total	2000000.00
Rupees Twenty Lakh(s) Only								

CERTIFICATE

1) This Work Comes Within BBMP Limits.

2) Certified that personaly Inspected the Work Spot.

3) Certified that the Estimate is Prepared Based on RWS,Electrical SR 2019-20, and CSR of PWD Bangalore Circle 2018-19

4) Estimate is Prepared Making Use of essential itemof work as per site conditions in safest way of Execution in most economical way

5) This work is not include in any other program of work.

Assistant Engineer
Ward No.13

Assistant Executive Engineer
Shettyhalli Sub-Division

Executive Engineer
Dasarahalli Zone

ADMINISTRATIVELY SANCTIONED FOR Rs. 20 lakhs only
(Rupees Twenty Lakhs only)
Under the Head of Account P-177
Registered as no EE(D.D.)/AS/248/19-20 Subject to conditions contained in Enclosed Memo
No. EE/DD/AS/248/19-20 Dt: 16.03.2020

Exe. Engg.
(DASARAHALLI) BBMP
JE/AE.

Technically Sanctioned for Rs. 20 lakhs (Bkly)
Rs In words Twenty lakh only
Under P-177
Job Code No 013-2262-1-22-001
Registered as CE No
Subject
to conditions contained in Enclosed Memo
No EE/DD/AS/109/19-20 Dt. 06.05.2020

Executive Engineer
AE/JE

WARD : 13 - MALLASANDRA

INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

NOTIFICATION NO. UDD 59 MLR 2009 DATE 15.07.2009